

COASTAL AND MARINE SCIENCE AT THE WOODS HOLE FIELD CENTER (WHFC)



384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598

97027975

GRAB OPERATIONS AND PROCESSING LOG

SHIP AND CRUISE: ANDR 97027	
AREA: New York Bight	
DATES: JUY 4-12,1997	
CHIEF SCIENTIST: Allison -TAMU	-

STATION LOG	page #	Station-cast ID 97027 - A
Recorded by 5 M		J Date 186
		GMT Time (hit bottom) 10:37 Water depth (m) 36 2 ft
Processors	12.713W	
		Wind/weather Close TCAIM
Lat (GPS) 40 33.	7-5 N	Seas 2-3 Ct
Video # 4 A	<u>i-</u>	Time sub sampled /0 / 30 mm
(1) VAN VEEN GRAB S	SAMPLE LOG	7
Box SAMPle Flozen Fo-5cm	Mahr	Sketch subsample placement Grab ID# Station sed height (cm remaining) Photo #
Subsample	Sample ID #	Container Fate
Metals/texture		_ (0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile, whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
II .		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles	. ,	cm depth pushcore reefer/freezer
(2) HYDRASTATICALL	Y DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
sketch interface		Core ID# Recovered Sed Depth (cm of sediment)
sketch interface		Recovered Sed Depth (cm of sediment)
sketch interface		Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
sketch interface		Recovered Sed Depth (cm of sediment)
	GC)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
or (3) Gravity Core (C	•	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
or (3) Gravity Core (0 core head type &wt (1	•	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID#
or (3) Gravity Core (0 core head type &wt (II PVC Liner length (m)	•	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
or (3) Gravity Core (Core head type &wt (IIIIPVC Liner length (m) Sect 1 Int. (m)	•	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (0 core head type &wt (II PVC Liner length (m)	•	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
or (3) Gravity Core (0 core head type &wt (II PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (6) core head type &wt (1) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m)	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (Core head type &wt (IIIIPVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (Core head type &wt (IIPVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance:	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (Core head type &wt (IIIPVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology:	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (Core head type &wt (II PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder:	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (0 core head type &wt (II PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder: Biology:	bs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)

Recorded by M SM Processors Lon (GPS) 973 9 38 745 Lat (GPS) 40 32 793 Video # A (1) VAN VEEN GRAB SAMPLE LOG	Station-cast ID #2 J Date 186 GMT Time (hit bottom) 13:09 Loca Water depth (m) 36.4 ft Wind/weather Clear Seas Calm Time sub sampled
	Sketch subsample placement Grab ID# 3+2 + 2 sed height (cm remaining) Photo #
Subsample Metals/texture Clostridium Clostridium Bulk Water Surface porosity Hydrocarbon Profiles	Container Fate (0-2 cm sample)poly box reefer (0-2 cm sub) sterile whirlpak reefer (0-5) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle scribed glass bottle reefer (0-depth) syringe reefer/sectioning. cm depth pushcore freezer cm depth pushcore reefer/freezer
(2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology:	Core ID# Recovered Sed Length (m) Penetration Depth (m) Photo #
H2S oder: Biology: Other:	

Recorded by M & SM Processors Lon (GPS) 073 40,40L Lat (GPS) 40° 25.794 Video # A (1) VAN VEEN GRAB SAMPLE LOG	Station-cast ID # 3 J Date 186 GMT Time (hit bottom) 14:56 local Water depth (m) 80.2 ft Wind/weather CLEAR Seas CALM Time sub sampled sketch subsample placement Grab ID# Stat# 3 sed height (cm remaining)
Subsample Metals/texture Clostridium Clostridium Bulk Water Surface porosity Hydrocarbon Profiles (2) HYDRASTATICALLY DAMPLED GRAV	Container Fate (0-2 cm sample)poly box reefer (0-2 cm sub) sterile whirlpak reefer (0-2.5) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle scribed glass bottle reefer (0-depth) syringe reefer/sectioningcm depth pushcore freezercm depth pushcore reefer/freezer
sketch interface	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder: Biology: Other:	Core ID# Recovered Sed Length (m) Penetration Depth (m) Photo #

STATION LOG page # 4	Station-cast ID Sta # 4
	J Date 187
Recorded by \\ \tau \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	GMT Time (hit bottom)
Processors	Water depth (m) 91'
Lon (GPS) 073° 34,694 W	Wind/weather moderate = MARK
Lat (GPS) 40° 17, 241 N	Seas lots of rolling
Video #	Time sub sampled
(1) VAN VEEN GRAB SAMPLE LOG	
s	ketch subsample placement
	Grab ID# 97627 - 04
	sed height (cm remaining)
	Photo #
Subsample Sample ID #	Container Fate
Metals/texture 0 - 2 cm +cx+	(0-2 cm sample)poly box reefer
Clostridium	(0-2 cm sub) sterile whirlpak reefer
Clostridium	(O5) sterile whirlpak reefer
Bulk Water	(0-2.0) syringe core # scribed glass bottle
II	scribed glass bottle reefer
Surface porosity	(O-depth) syringe reefer/sectioning.
Hydrocarbon	cm depth pushcore freezer
Profiles	cm depth pushcore reefer/freezer
(O) HVDD ACTATIOALL V DAMPLED ODAVITY OF	ODE (OLOW CODED)
(2) HYDRASTATICALLY DAMPLED GRAVITY CO	DHE (SLOW COREH)
alestale interfere	010#
sketch interface	Core ID#
	Recovered Sed Depth (cm of sediment)
	Penetration Depth (cm)
	Photo #
or (3) Gravity Core (GC)	
core head type &wt (lbs)	Core ID#
PVC Liner length (m)	Recovered Sed Length (m)
Sect 1 Int. (m)	Penetration Depth (m)
Sect 2 Int. (m)	Photo #
Sect 3 Int. (m)	Thoto #
Occi o int. (iii)	
COMMENTS FOR ALL DEVICES:	
Sample disturbance:	
Lithology:	
H2S oder:	
Biology:	
Other:	

STATION LOG	page # 5	Station-cast ID 970 27 - 06
		J Date 1877
	. HSM	GMT Time (hit bottom)
Processors		Water depth (m) 91. 8
	31, 755	Wind/weather CLEAR
Lat (GPS) 40° 18.	. 467	Seas CAM W Colling
Video #		Time sub sampled
(1) VAN VEEN GRAE	S SAMPLE LOG	
		akatah auhaampia piasamant
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
-	-2 cm text.	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium	v	(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
II		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
\	LV DAMBI ED ODAVETV	
(2) HYDHASTATICAL	LY DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
Sketch interface		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
		Filoto #
or (3) Gravity Core	` , '	- ID#
core head type &wt		Core ID#
PVC Liner length (m)	Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m) Sect 3 Int. (m)		Photo #
Sect 5 Int. (III)		
COMMENTS FOR AL		
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		

Recorded by ML+3M Processors Lon (GPS) 073° 34.907 Lat (GPS) 40° 19.388 Video # B	Station-cast ID Sta +6 J Date 187 GMT Time (hit bottom) 9:20 to call Water depth (m) 92 ft Wind/weather (alm Seas Some rolling but hus than Time sub sampled marning
(1) VAN VEEN GRAB SAMPLE LOG	sketch subsample placement Grab ID# sed height (cm remaining) Photo #
Subsample Sample ID # Metals/texture 0 - 2 cm +x+. Clostridium Clostridium Bulk Water " Surface porosity Hydrogarbon Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY	Container Fate (0-2 cm sample)poly box reefer (0-2 cm sub) sterile whirlpak reefer (0-5) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle scribed glass bottle reefer (0-depth) syringe reefer/sectioningcm depth pushcore freezercm depth pushcore reefer/freezer CORE (SLOW CORER)
sketch interface	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder: Biology: Other:	Core ID# Recovered Sed Length (m) Penetration Depth (m) Photo #

STATION LOG page #	Station-cast ID Statt 7
	J Date 187
Recorded by M-45M	GMT Time (hit bottom) いてり
Processors //	Water depth (m) 141.5
Lon (GPS) 0730 47.884	Wind/weather (Alm
Lat (GPS) 40° 21, 265	Seas small swells
Video # B	Time sub sampled
(1) VAN VEEN GRAB SAMPLE LOG	
	sketch subsample placement
	Grab ID#
	sed height (cm remaining)
	Photo #
Subsample Metals/texture Clostridium Clostridium Bulk Water " Surface porosity Hydrocarbon Profiles (2) HYDRASTATICALLY DAMPLED GRA	Container Fate (0-2 cm sample)poly box reefer (0-2 cm sub) sterile whirlpak reefer (0-5) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle scribed glass bottle reefer (0-depth) syringe reefer/sectioning. cm depth pushcore freezer cm depth pushcore reefer/freezer VITY CORE (SLOW CORER) Core ID#
	Recovered Sed Depth (cm of sediment)
	Penetration Depth (cm)
	Photo #
or (3) Gravity Core (GC) core head type &wt (lbs)	Core ID#
PVC Liner length (m)	Recovered Sed Length (m)
Sect 1 Int. (m)	Penetration Depth (m)
Sect 2 Int. (m)	Photo #
Sect 3 Int. (m)	
COMMENTS FOR ALL DEVICES:	
Sample disturbance:	
Lithology:	
H2S oder:	
Biology:	
Other:	

STATION LOG	page # 8	Station-cast ID Sta # 8 J Date \\$8
Recorded by 5 N	4 ML	GMT Time (hit bottom) 6' 14 local
Processors		Water depth (m) 67.5
1 4 4	6. 093	Wind/weather clear
Lat (GPS) 40°31.		Seas Calm
Video # 15		Time sub sampled
Video #		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	7
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Onderson	0 15 "	
Subsample	Sample ID #	Container Fate
	3-2 cm 4x+	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
Conference and the		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALI	LY DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (•. • •	
core head type &wt (Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)	·	Photo #
Sect 3 Int. (m)		-
COMMENTS FOR ALI	L DEVICES:	
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		

STATION LOG	page #	Station-cast ID Sta #9
	d a.a	J Date 188
Recorded by M	· FSM	GMT Time (hit bottom) 5 5 0
Processors	0113	Water depth (m)
	32.843	Wind/weather Clear
Lat (GPS) 40° 3	3,73	Seas colm
Video # #		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
	2 contr	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium	4	(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
-		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALI	LY DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
	·	Photo #
or (3) Gravity Core (· . •	
core head type &wt (Core ID#
PVC Liner length (m)	3-4	Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALI	L DEVICES:	
Sample disturbance:		,
Lithology:		
H2S oder:		
Biology:		
Other:		

STATION LOG	page # \ \ \ \ \	Station-cast ID Sta +1 \0
	· · ·	J Date \88
Recorded by ≤ \(\cdot \)	+Wr	GMT Time (hit bottom) 19:57 local
Processors		Water depth (m) 77 ft
Lon (GPS) 0730	39.091	Wind/weather Just after starm
Lat (GPS) 40° 2	5.727	Seas Choppy
Video # 🥳		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	-
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subcample	Sample ID #	Container
Subsample Metals/texture	Sample ID #	Container Fate (0-2 cm sample)poly box reefer
Clostridium	or 2 cm TX.	(0-2 cm sub) sterile whirlpak reefer
Clostridium		-
Bulk Water		(O5) sterile whirlpak reefer
" Duik vvalei		_ (0-2.0) syringe core # scribed glass bottle
Curfa aa mayaaibu		scribed glass bottle reefer
Surface porosity		_ (O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALL	Y DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (GC)	
core head type &wt (lbs)	Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		_
COMMENTS FOR ALL	DEVICES:	
COMMENTS FOR ALL Sample disturbance:	DEVICES:	
Lithology:		
H2S oder:		
Biology:		
Other:		

STATION LOG	page # \\	Station-cast ID STA II
		J Date しもつ
Recorded by M	SM SM	GMT Time (hit bottom)
Processors	V	Water depth (m) 72.6 ft
Lon (GPS) のな。	41.054	Wind/weather Foggy
Lat (GPS) 40° 22.	934	Seas Very Calmo
Video #		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	
	and the state of t	sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
•	2cm +x	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water	*	(0-2.0) syringe core # scribed glass bottle
II		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		··································
		cm denth hushcore regter/treezer
\		cm depth pushcore reefer/freezer
\	LY DAMPLED GRAVITY	
(2) HYDRASTATICALI	LY DAMPLED GRAVITY	CORE (SLOW CORER)
\	LY DAMPLED GRAVITY O	Core ID#
(2) HYDRASTATICALI	LY DAMPLED GRAVITY O	CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment)
(2) HYDRASTATICALI	LY DAMPLED GRAVITY O	CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
(2) HYDRASTATICALI	LY DAMPLED GRAVITY O	CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment)
(2) HYDRASTATICALI	LY DAMPLED GRAVITY	CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
(2) HYDRASTATICALI sketch interface		CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
(2) HYDRASTATICALI sketch interface or (3) Gravity Core (GC)	CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
(2) HYDRASTATICALI sketch interface	GC)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
(2) HYDRASTATICALI sketch interface or (3) Gravity Core (core head type &wt (GC)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
or (3) Gravity Core (core head type &wt (PVC Liner length (m) Sect 1 Int. (m)	GC)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID#
(2) HYDRASTATICALI sketch interface or (3) Gravity Core (core head type &wt (PVC Liner length (m)	GC)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 2 Int. (m) Sect 3 Int. (m)	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder: Biology:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder: Biology:	GC) (bs)	Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)

STATION LOG	page # 12	Station-cast ID
	<u> </u>	J Date 189
Recorded by ML	+ SM	GMT Time (hit bottom)
Processors		Water depth (m) 76'
Lon (GPS) 073	° 37.865	Wind/weather Calm, Foggy
Lat (GPS) 40° 2	23.809 N	Seas (alm
Video # B		Time sub sampled
		1
(1) VAN VEEN GRAB	SAMPLE LOG	a d
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
	2 cm txt	(0-2 cm sample)poly box reefer
Clostridium	L CK IXI	(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) stellie willipak reeler (0-2.0) syringe core # scribed glass bottle
II		scribed glass bottle reefer
Surface porosity		_
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
\ \ ==================================		ciii deptii pusiicore reerennieezen
(2) HYDRASTATICALI	Y DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (GC)	
core head type &wt (,	Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALL	DEVICES:	
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:	 	
	· ·	

STATION LOG	page #	Station-cast ID STZ 13
		J Date 189
Recorded by ML 8	5 SM	GMT Time (hit bottom)
Processors		Water depth (m) 142fb
Lon (GPS) D73	48,162	Wind/weather for a grant Colm
Lat (GPS) 40° 2	0.978	Seas Colm
Video #	0.776	
AIGEO # D		Time sub sampled
(1) VAN VEEN GRAB S	SAMPLE LOG	
		sketch subsample placement
	T	Grab ID#
		sed height (cm remaining)
		Photo #
		Filoto #
Subsample	Sample ID #	Container Fate
Metals/texture O -	Lem tx	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
11		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALL	Y DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (G	GC)	
core head type &wt (II	os)	Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALL	DEVICES:	
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		

STATION LOG	page #	Station-cast ID STa 14
	\	J Date 189
Recorded by M	ξ SM	GMT Time (hit bottom)
Processors		Water depth (m) \\&\fi .\fi
	47 808	Wind/weather calm, foggy
	4.924	Seas celm
Video # B		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	
	sl	ketch subsample placement
The state of the s	alatan Paran di Paran	Grab ID#
and operation and the second s		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
Metals/texture	Sample ID # - ユェッ・モーナ	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water	4	(0-2.0) syringe core # scribed glass bottle
II		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALL	Y DAMPLED GRAVITY CO	DRE (SLOW CORER)
sketch interface		Core iD#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (6	GC)	
core head type &wt (i	•	Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALL	DEVICES:	
Sample disturbance:	DEVICES.	
Lithology:		
H2S oder:		
Biology:		
Other:		
		and the second

STATION LOG	page # 15	Station-cast ID Sta # 15
STATION LOG	page #	J Date 189
Recorded by ML	+5 M	GMT Time (hit bottom) 14156
Processors		Water depth (m) 160 fl
Lon (GPS) 073°	45. 787	Wind/weather Calm SUNNY
	.581	Seas Culm
Video # ♦		Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Outro	0	
Subsample	Sample ID #	Container Fate
	-2 cm txt	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium Bulk Water	•	(O5) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle
" Valei		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICALL	Y DAMPLED GRAVITY	CORE (SLOW COREH)
sketch interface		Core ID#
Sketch interface		Core ID# Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		renetiation Depth (Citi)
	i	
		Photo #
or (3) Gravity Core (Photo #
core head type &wt (. •	Photo # Core ID#
core head type &wt (PVC Liner length (m)	. •	Photo # Core ID# Recovered Sed Length (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m)	. •	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	. •	Photo # Core ID# Recovered Sed Length (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m)	. •	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m)	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance:	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology:	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder:	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
core head type &wt (PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL Sample disturbance: Lithology: H2S oder: Biology:	lbs)	Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)

· .t ·		1 4
STATION LOG	page # \@	Station-cast ID
		J Date 189
Recorded by M	. ξ SM	GMT Time (hit bottom)
Processors	,	Water depth (m) 1680
Lon (GPS) カラくっ		Wind/weather Calm/3UNNY
Lat (GPS) 40°	11,908	Seas Calm
Video # ₽	3	Time sub sampled
(1) VAN VEEN GRAB	SAMPLE LOG	
		sketch subsample placement
		Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
Metals/texture	> - 2 cm _	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water	ν	(0-2.0) syringe core # scribed glass bottle
II		scribed glass bottle reefer
Surface porosity		(O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
\		
(2) HYDRASTATICALI	LY DAMPLED GRAVITY	CORE (SLOW CORER)
alaskah lakasta		0 10"
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
or (3) Gravity Core (
core head type &wt (Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALI	DEVICES:	
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		
Outer.		

STATION LOG	page #	Station-cast ID Sta 17
		J Date 189
Recorded by M	_+ S M	GMT Time (hit bottom) 5105 local
Processors		Water depth (m) 212 ft
Lon (GPS) 073	3° 44.388	Wind/weather colm Sunty
Lat (GPS) 40°		Seas Calen
Video # B		Time sub sampled
VIGOU II		Timo duo campiou
(1) VAN VEEN GRAE	P SAMPLE LOG	
(I) VAN VEEN GRAD	SAMPLE LOG	
		sketch subsample placement
		0.1.10
	· I	Grab ID#
		sed height (cm remaining)
		Photo #
Subsample	Sample ID #	Container Fate
-)-2 cm +xt	(0-2 cm sample)poly box reefer
Clostridium		(0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		(0-2.0) syringe core # scribed glass bottle
II VALE		scribed glass bottle reefer
Surface paracity		(O-depth) syringe reefer/sectioning.
Surface porosity		
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICAL	LLY DAMPLED GRAVITY C	CORE (SLOW CORER)
• •		
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
		1 11000 11
or (3) Gravity Core		
core head type &wt	(lbs)	Core ID#
PVC Liner length (m	1)	Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR A		
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		

STATION LOG page #	Station-cast ID S & 18
	J Date 189
Recorded by MESM	GMT Time (hit bottom) 0643
Processors	Water depth (M) 48'
Lon (GPS) 673° -16,552	Wind/weather windy - drifting quite a lot
Lat (GPS) 400 32.942	Seas võvu
Video #	Time sub sampled
VIGOO #	Time Sub Sumpled
(1) VAN VEEN GRAB SAMPLE LOG	
(1) VAN VEEN GRAB SAMPLE LOG	-
	alastah auh asmala alasamant
	sketch subsample placement
	0.140
	Grab ID#
	sed height (cm remaining)
	Photo #
Subsample Sample ID #	Container Fate
Metals/texture 0-2cm +x+	(0-2 cm sample)poly box reefer
Clostridium	(0-2 cm sub) sterile whirlpak reefer
Clostridium	(O5) sterile whirlpak reefer
Bulk Water	(0-2.0) syringe core # scribed glass bottle
11	scribed glass bottle reefer
Surface porosity	(O-depth) syringe reefer/sectioning.
Hydrocarbon	cm depth pushcore freezer
Profiles	cm depth pushcore reefer/freezer
	cm depth pushcore reefer/freezer
Profiles	cm depth pushcore reefer/freezer
Profiles	cm depth pushcore reefer/freezer
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY	cm depth pushcore reefer/freezer
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID#
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
(2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID#
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m)	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance:	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology:	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
cr (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder:	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY sketch interface or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder: Biology:	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
cr (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder:	cm depth pushcore reefer/freezer CORE (SLOW CORER) Core ID# Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)

STATION LOG page # 14	Station-cast ID 54a 19
	J Date Ι ^Φ ΙΦ
Recorded by られずML	GMT Time (hit bottom)
Processors 4	Water depth (m) 89 FE
Lon (GPS) Oly 46 344	Wind/weather Breengy / GHNNY
Lat (GPS) 40° 28,376	Seas Slightly chopay
Video #	Time sub sampled
(1) VAN VEEN GRAB SAMPLE LOG	_
	sketch subsample placement
	Grab ID#
	sed height (cm remaining)
2	Photo #
Subsample Sample ID #	Container Fate
Metals/texture 0-2 cm +x+	(0-2 cm sample)poly box reefer
Clostridium	(0-2 cm sub) sterile whirlpak reefer
Clostridium	(O5) sterile whirlpak reefer
Bulk Water	(0-2.0) syringe core # scribed glass bottle
II .	scribed glass bottle reefer
Surface porosity	(O-depth) syringe reefer/sectioning.
Hydrocarbon	cm depth pushcore freezer
Profiles	cm depth pushcore reefer/freezer
(O) HYDDASTATICALLY DAMPLED CDAVITY	
(2) HYDRASTATICALLY DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface	Core ID#
Sketch illenace	Recovered Sed Depth (cm of sediment)
	Penetration Depth (cm)
	Photo #
	Thoto #
	1
or (3) Gravity Core (GC)	Oarra ID#
core head type &wt (lbs)	Core ID#
PVC Liner length (m)	Recovered Sed Length (m)
Sect 1 Int. (m)	Penetration Depth (m)
Sect 2 Int. (m)	Photo #
Sect 3 Int. (m)	-
COMMENTS FOR ALL DEVICES:	
Sample disturbance:	
Lithology:	
Littlology.	
H2S oder:	
H2S oder:	

Recorded by Sh → MC Processors	Station-cast ID Sta 20 J Date 19 Z GMT Time (hit bottom) Water depth (m) B Z 24
Lon (GPS) 40.131	Wind/weather Cloar/Serving
Lat (GPS) 40° 19.979	Seas colm
Video #	Time sub sampled
(1) VAN VEEN GRAB SAMPLE LOG	
s	ketch subsample placement
	Grab ID#
	sed height (cm remaining)
	Photo #
Subsample Sample ID #	Container Fate
Metals/texture 0 - 2 cm + x+	(0-2 cm sample)poly box reefer
Clostridium	(0-2 cm sub) sterile whirlpak reefer
Clostridium	(O5) sterile whirlpak reefer
Bulk Water	(0-2.0) syringe core # scribed glass bottle
1	scribed glass bottle reefer
Surface porosity	(O-depth) syringe reefer/sectioning.
Hydrocarbon	cm depth pushcore freezer
Profiles	cm depth pushcore reefer/freezer
(2) HYDRASTATICALLY DAMPLED GRAVITY C	ORE (SLOW CORER)
sketch interface	Core ID#
	Recovered Sed Depth (cm of sediment)
	Penetration Depth (cm)
	Photo #
or (3) Gravity Core (GC)	
core head type &wt (lbs)	Core ID#
PVC Liner length (m)	Recovered Sed Length (m)
Sect 1 Int. (m)	Penetration Depth (m)
Sect 2 Int. (m)	Photo #
Sect 3 Int. (m)	
COMMENTS FOR ALL DEVICES:	
Sample disturbance:	
Lithology:	
H2S oder:	
Biology:	
Other:	

*		
STATION LOG	page # 21	Station-cast ID Sta 2
		J Date 192
Recorded by M	- ESM	GMT Time (hit bottom) 12.50
Processors	<i>'</i>	Water depth (m) 109,5
Lon (GPS) 0 7	30 46.956	Wind/weather cal~
Lat (GPS) 40°	9 11.898	Seas (a) m
Video # ▶		Time sub sampled
	•	
(1) VAN VEEN GRAB	SAMPLE LOG	
		7
		sketch subsample placement
		1
		Grab ID#
		sed height (cm remaining)
		Photo #
Cubaamula	Commission #	
Subsample Metale/texture	Sample ID #	Container Fate
Metals/texture &	-2 cm	_ (0-2 cm sample)poly box reefer
Clostridium		_ (0-2 cm sub) sterile whirlpak reefer
Clostridium		(O5) sterile whirlpak reefer
Bulk Water		_ (0-2.0) syringe core # scribed glass bottle
		scribed glass bottle reefer
Surface porosity		_ (O-depth) syringe reefer/sectioning.
Hydrocarbon		cm depth pushcore freezer
Profiles		cm depth pushcore reefer/freezer
(2) HYDRASTATICAL	LY DAMPLED GRAVITY	CORE (SLOW CORER)
sketch interface		Core ID#
		Recovered Sed Depth (cm of sediment)
		Penetration Depth (cm)
		Photo #
		<u></u>
or (3) Gravity Core	(GC)	
core head type &wt	· , •	Core ID#
PVC Liner length (m)		Recovered Sed Length (m)
Sect 1 Int. (m)		Penetration Depth (m)
Sect 2 Int. (m)		Photo #
Sect 3 Int. (m)		
COMMENTS FOR ALI	L DEVICES:	
Sample disturbance:		
Lithology:		
H2S oder:		
Biology:		
Other:		

Recorded by 5/1 +/1L Processors Lon (GPS) 13° 44 /67 Lat (GPS) 40° 0.588 Video # 0 (1) VAN VEEN GRAB SAMPLE LOG	Station-cast ID 2 2 J Date 192 GMT Time (hit bottom) Water depth (m) 135 ft Wind/weather Colon SHNY Seas Calon Time sub sampled
	sketch subsample placement Grab ID# sed height (cm remaining) Photo #
Subsample Sample ID # Metals/texture 0 - 2 cm txt. Clostridium Clostridium Bulk Water " Surface porosity Hydrocarbon Profiles (2) HYDRASTATICALLY DAMPLED GRAVITY (sketch interface	Container Fate (0-2 cm sample)poly box reefer (0-2 cm sub) sterile whirlpak reefer (05) sterile whirlpak reefer (0-2.0) syringe core # scribed glass bottle scribed glass bottle reefer (0-depth) syringe reefer/sectioning. cm depth pushcore freezer cm depth pushcore reefer/freezer
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES: Sample disturbance: Lithology: H2S oder: Biology: Other:	Core ID# Recovered Sed Length (m) Penetration Depth (m) Photo #

- 0	A
STATION LOG page # 73	Station-cast ID STA23
	J Date 192
Recorded by M- ESM	GMT Time (hit bottom)
Processors	Water depth (m) 212'
Lon (GPS) '073' 43,910	Wind/weather cg/m/suny
Lat (GPS) ৭০° ١١. ৭ ১৭	Seas Colm
Video #	Time sub sampled
(1) VAN VEEN GRAB SAMPLE LOG	
	7
	sketch subsample placement
	broton subsumpto plasoment
	Grab ID#
	sed height (cm remaining)
	Photo #
Subsample Sample ID #	Container Fate
Metals/texture 0-2 cm	(0-2 cm sample)poly box reefer
Clostridium	(0-2 cm sub) sterile whirlpak reefer
Clostridium	(O5) sterile whirlpak reefer
Bulk Water	(0-2.0) syringe core # scribed glass bottle
u	scribed glass bottle reefer
Surface porosity	(O-depth) syringe reefer/sectioning.
Hydrocarbon	cm depth pushcore freezer
Profiles	cm depth pushcore reefer/freezer
(2) HYDRASTATICALLY DAMPLED GRAVITY	CORE (SLOW CORER)
	·
alastala lataufaa a	Core ID#
sketch interface	
sketch interrace	Recovered Sed Depth (cm of sediment)
sketch interface	
sketch interace	Recovered Sed Depth (cm of sediment)
sketch interface	Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
	Recovered Sed Depth (cm of sediment) Penetration Depth (cm)
or (3) Gravity Core (GC)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo #
or (3) Gravity Core (GC) core head type &wt (lbs)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID#
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m)
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m)	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
or (3) Gravity Core (GC) core head type &wt (lbs) PVC Liner length (m) Sect 1 Int. (m) Sect 2 Int. (m) Sect 3 Int. (m) COMMENTS FOR ALL DEVICES:	Recovered Sed Depth (cm of sediment) Penetration Depth (cm) Photo # Core ID# Recovered Sed Length (m) Penetration Depth (m)
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